

**HEALTH, SAFETY, ENVIRONMENTAL AND REMEDIATION
WEEKLY REPORT
Williams AFB ST012**

Site No.: 9101-11-0001

Week Ending 14 October 2016

I. SITE SUBCONTRACTOR SUMMARY

Company	Sat	Sun	Mon	Tue	Wed	Thu	Fri
Amec Foster Wheeler			X	X	X	X	X
Terra Therm							
MP Environmental							
Yellow Jacket							

II. SCHEDULE / SITE ACTIVITIES REVIEW

- A. SEE Demolition - None
- B. Well Drilling and Development - None
- C. EBR Construction
- D. Sampling/Monitoring
 - SEE/EBR well LNAPL monitoring/removal
- E. SVE System Operation/Optimization
 - Routine operation
 - Retrofit SVE system piping to address data inconsistencies.
 - Operated the flame-oxidizer in parallel with the thermal oxidizer.
 - 1. There was one shutdown of the thermal oxidizer this week.
 - a. On 13 October 2016, site personnel shut down the thermal oxidizer to reconfigure piping. The system was shut down for approximately one day, and was restarted on 14 October 2016.
 - 2. There was one shutdown of the flame oxidizer this week.
 - a. On 13 October 2016, site personnel shut down the flame oxidizer to reconfigure piping. The system was shut down for approximately one day, and was restarted on 14 October 2016.

III. SVE OPERATING DATA

A. Thermal Oxidizer Destruction Efficiency/Mass Removal Summary

The destruction efficiency and mass removal calculations for the thermal oxidizer are tabulated below. A correction factor was applied to PID readings based on available analytical data and corresponding PID data. This factor is updated each time new analytical data is available and may retroactively alter previously reported data.

Date Period Began	Date Period Ended	Days in Period	Time Thermal Oxidizer Operated	Thermal Oxidizer Uptime	Date of Influent Laboratory TPH Result	Influent Concentration (PID)	Influent Concentration (Adjusted PID) ^(a,b)	Effluent Concentration (PID)	Effluent Concentration (Adjusted PID) ^(a,b)	Calculated Destruction Efficiency ^(a)	Flowrate into Oxidizer (End of Period)	Estimated VOC Mass Removed ^(b)	Average Daily Removal Rate ^(b)	Estimated VOC Mass Released to Atmosphere ^(b)	Average VOC Mass Released to Atmosphere ^(b)
---	---	days	hrs	%		ppmv	mg/m ³	ppmv	mg/m ³	%	scfm	lbs/period	lbs/day	lbs/period	lbs/day
4/7/2016	4/15/2016	7	112	63%	3/11/2016	560	56,313	4.6	4.2	99.99%	1,396	32,984	4,424	2	0.33
4/15/2016	4/21/2016	6	147	100%	3/11/2016	342	34,391	1.0	0.9	100.00%	1,571	29,743	4,856	0.8	0.13
4/21/2016	4/29/2016	8	188	99%	4/25/2016	296	7,980	2.6	2.4	99.97%	1,396	7,846	996	2.3	0.29
4/29/2016	5/5/2016	6	130	90%	4/25/2016	179	4,826	1.6	1.5	99.97%	1,396	3,281	547	1.0	0.16
5/5/2016	5/20/2016	15	323	90%	4/25/2016	394	10,622	0.5	0.5	100.00%	1,047	13,457	897	0.6	0.04
5/20/2016	5/26/2016	6	146	100%	5/23/2016	699	18,340	42.2	38	99.79%	698	7,002	1,151	14.6	2.40
5/26/2016	6/2/2016	7	166	99%	5/23/2016	340	9,166	62.2	56	99.38%	698	3,979	568	24.5	3.50
6/2/2016	6/10/2016	8	164	85%	6/9/2016	679	17,325	1.2	1.1	99.99%	1,309	13,933	1,742	0.9	0.11
6/10/2016	6/17/2016	7	167	99%	6/9/2016	462	11,788	12.7	12	99.90%	1,047	7,721	1,103	7.5	1.08
6/17/2016	6/24/2016	7	165	98%	6/9/2016	179	4,567	0.6	0.5	99.99%	1,466	4,139	591	0.5	0.07
6/24/2016	6/27/2016	3	74	100%	6/27/2016	431	4,850	0.0	0.0	100.00%	1,920	2,581	837	0.0	0.00
6/27/2016	6/29/2016	2	47	100%	6/27/2016	N/A	4,850	N/A	0.0	100.00%	1,152	984	502	0.0	0.00
6/29/2016	7/8/2016	9	215	100%	6/27/2016	697	7,843	0.2	0.3	100.00%	524	3,310	370	0.1	0.01
7/8/2016	7/14/2016	6	128	89%	7/12/2016	1080	24,311	1.3	1.8	99.99%	489	5,700	950	0.4	0.07
7/14/2016	7/22/2016	8	56	29%	7/12/2016	848	19,088	7.6	10	99.95%	698	2,795	349	1.5	0.19
7/22/2016	7/29/2016	7	163	97%	7/26/2016	636	19,714	10.2	14	99.93%	628	7,560	1,080	5.3	0.76
7/29/2016	8/4/2016	6	84	58%	7/26/2016	681	21,109	1.5	2	99.99%	1,466	9,737	1,623	0.9	0.16
8/4/2016	8/11/2016	7	168	100%	8/4/2016	475	12,555	1.2	2	99.99%	698	5,515	788	0.7	0.10
8/11/2016	8/18/2016	7	120	71%	8/4/2016	476	12,581	1.6	2	99.98%	768	4,344	621	0.8	0.11
8/18/2016	8/25/2016	7	168	100%	8/4/2016	285	7,064	2.2	3	99.96%	628	2,793	399	1.2	0.17
8/25/2016	9/1/2016	7	167	99%	8/4/2016	498	12,343	1.4	2	99.98%	489	3,776	539	0.6	0.08
9/1/2016	9/8/2016	7	169	100%	8/4/2016	986	24,439	3.7	5	99.98%	986	15,256	2,167	3.2	0.45
9/8/2016	9/15/2016	7	145	87%	8/4/2016	605	14,996	12.5	17	99.89%	419	3,411	490	3.9	0.56
9/15/2016	9/22/2016	7	169	100%	9/15/2016	454	10,506	18.4	72 *	99.32%	419	2,786	396	19.0	2.69
9/22/2016	9/29/2016	7	167	99%	9/15/2016	475	10,992	18.5	72 *	99.35%	628	4,318	617	28.2	4.04
9/29/2016	10/6/2016	7	166	99%	9/15/2016	805	18,628	1.9	7 *	99.96%	628	7,275	1,039	2.9	0.41
10/6/2016	10/13/2016	7	165	98%	9/15/2016	578	13,375 *	1.1	4 *	99.97%	489	4,043	578	1.3	0.18

Notes:

% - percent	scfm - standard cubic feet per minute
hrs - hours	TPH - total petroleum hydrocarbons
JP-4 - jet petroleum fuel grade four	PID - photoionization detector
lbs - pounds	SVE - soil vapor compound
mg/m ³ - milligrams per cubic meter	VOC - volatile organic compound
ppmv - parts per million by volume	

* Concentration and associated calculated values may change after receipt of subsequent analytical data.

- (a) Calculated destruction efficiencies are calculated using a single sampling event for each quarter, not using the average influent and effluent results.
- (b) Mass and volumes are calculated based on laboratory data for TPH reported as JP-4. As has been the basis for previous calculations at ST012, the average molecular weight of TPH as JP-4 is assumed equivalent to xylene (106.168 grams per mole). The assumed liquid density of the fuel is 6.57 lbs per gallon.
- (c) The influent PID correction factor for the 23 May 2016 sample was anomalous compared to historical values. An average of correction factors from samples before and after this date was used.
- (d) The influent PID correction factor for the 25 August 2016 sample was anomalous compared to historical values. An average of correction factors from samples before and after this date was used.
- (e) Inconsistent influent PID and flow rate measurements have been observed during system monitoring and are being investigated for the root cause and potential resolution.
- (f) An incorrect correction factor was used to calculate the Effluent Concentration (Adjusted PID) for the period between 24 June and 8 September 2016. The value has been corrected for that period.
- (g) The effluent PID correction factor for the 15 September 2016 sample was anomalous compared to historical values. An average of correction factors from samples before and after this date was used.

B. Flame Oxidizer Destruction Efficiency/Mass Removal Summary

The destruction efficiency and mass removal calculations for the flame oxidizer are tabulated below. A correction factor was applied to PID readings based on available analytical data and corresponding PID data. This factor is updated each time new analytical data is available and may retroactively alter previously reported data.

Date Period Began	Date Period Ended	Days in Period	Time Flame Oxidizer Operated ^(a)	Flame Oxidizer Uptime ^(b)	Date of Influent Laboratory TPH Result	Influent Concentration (PID)	Influent Concentration (Adjusted PID)	Effluent Concentration (PID)	Effluent Concentration (Adjusted PID)	Calculated Destruction Efficiency ^(c)	Flowrate into Oxidizer (End of Period)	Estimated VOC Mass Removed ^(d)	Average Daily Removal Rate ^(d)	Estimated VOC Mass Released to Atmosphere ^(d)	Average VOC Mass Released to Atmosphere ^(d)
---	---	days	hrs	%		ppmv	mg/m ³	ppmv	mg/m ³	%	scfm	lbs/period	lbs/day	lbs/period	lbs/day
8/4/2016	8/11/2016	7	107	64%	8/4/2016	509	12,666	17.1	1.1	99.99%	768	3,898	557	0.3	0.05
8/11/2016	8/18/2016	7	91	54%	8/4/2016	428	10,650	16.4	1.1	99.99%	768	2,788	398	0.3	0.04
8/18/2016	8/25/2016	7	78	46%	8/4/2016	483	12,019	8.9	0.6	100.00%	838	2,942	420	0.1	0.02
8/25/2016	9/1/2016	7	112	67%	8/25/2016	433	12,551	5.6	0.4	100.00%	768	4,044	578	0.1	0.02
9/1/2016	9/8/2016	7	102	61%	8/25/2016	414	12,000	7.2	0.5	100.00%	942	4,319	617	0.2	0.02
9/8/2016	9/15/2016	7	140	83%	8/25/2016	868	25,159	13.6	0.9	100.00%	1,047	13,815	1,974	0.5	0.07
9/15/2016	9/22/2016	7	149	89%	9/15/2016	499	8,048	13.1	1.2	99.99%	1,047	4,704	672	0.7	0.10
9/22/2016	9/29/2016	7	158	94%	9/15/2016	682	11,000	3.9	0.3	100.00%	1,222	7,956	1,137	0.2	0.04
9/29/2016	10/6/2016	7	119	71%	9/15/2016	834	13,452	3.1	0.3	100.00%	977	5,859	837	0.1	0.02
10/6/2016	10/13/2016	7	167	99%	9/15/2016	593	9,565 * ^(e)	2.4	0.2	100.00%	1,012	6,055	865	0.1	0.02

Notes:

% - percent
 hrs - hours
 JP-4 - jet petroleum fuel grade four
 lbs - pounds
 mg/m³ - milligrams per cubic meter
 ppmv - parts per million by volume

scfm - standard cubic feet per minute
 TPH - total petroleum hydrocarbons
 PID - photoionization detector
 SVE - soil vapor compound
 VOC - volatile organic compound

* Concentration and associated calculated values may change after receipt of subsequent analytical data.

(a) Discrepancies in runtime clocks for the flame oxidizer have been observed since restart. The system is being observed and diagnosed. The primary blower hours are currently used to calculate uptime.

(b) Calculated destruction efficiencies are calculated using a single sampling event for each quarter, not using the average influent and effluent results.

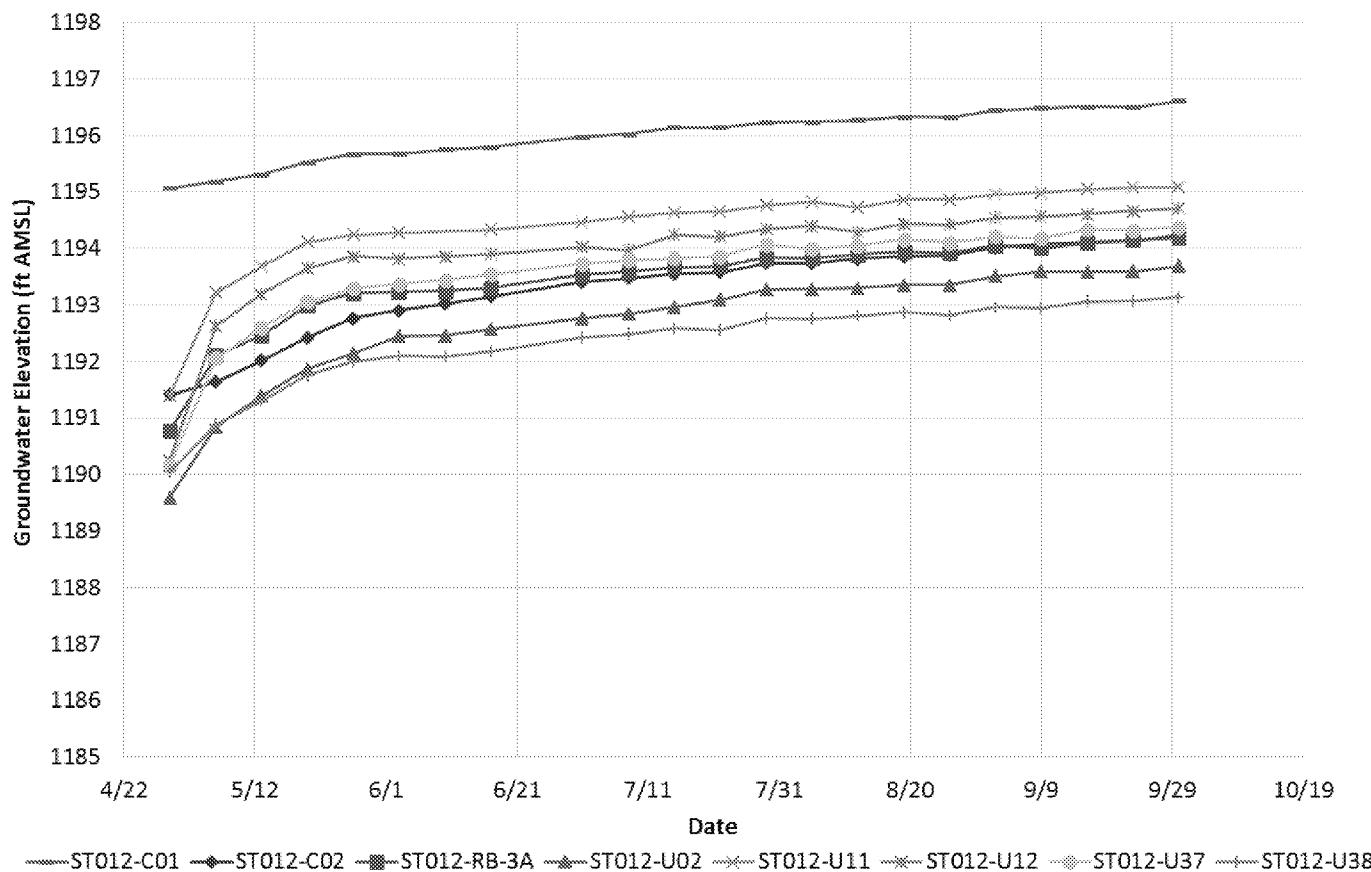
(c) Mass and volumes are calculated based on laboratory data for TPH reported as JP-4. As has been the basis for previous calculations at ST012, the average molecular weight of TPH as JP-4 is assumed equivalent to xylene (106.168 grams per mole). The assumed liquid density of the fuel is 6.57 lbs per gallon.

(d) An error in hour recording caused an anomaly in hours that the flame oxidizer operated for the weeks ending 25 August and 2 September. The operation hours were estimated based on the flame oxidizer temperature chart recorder.

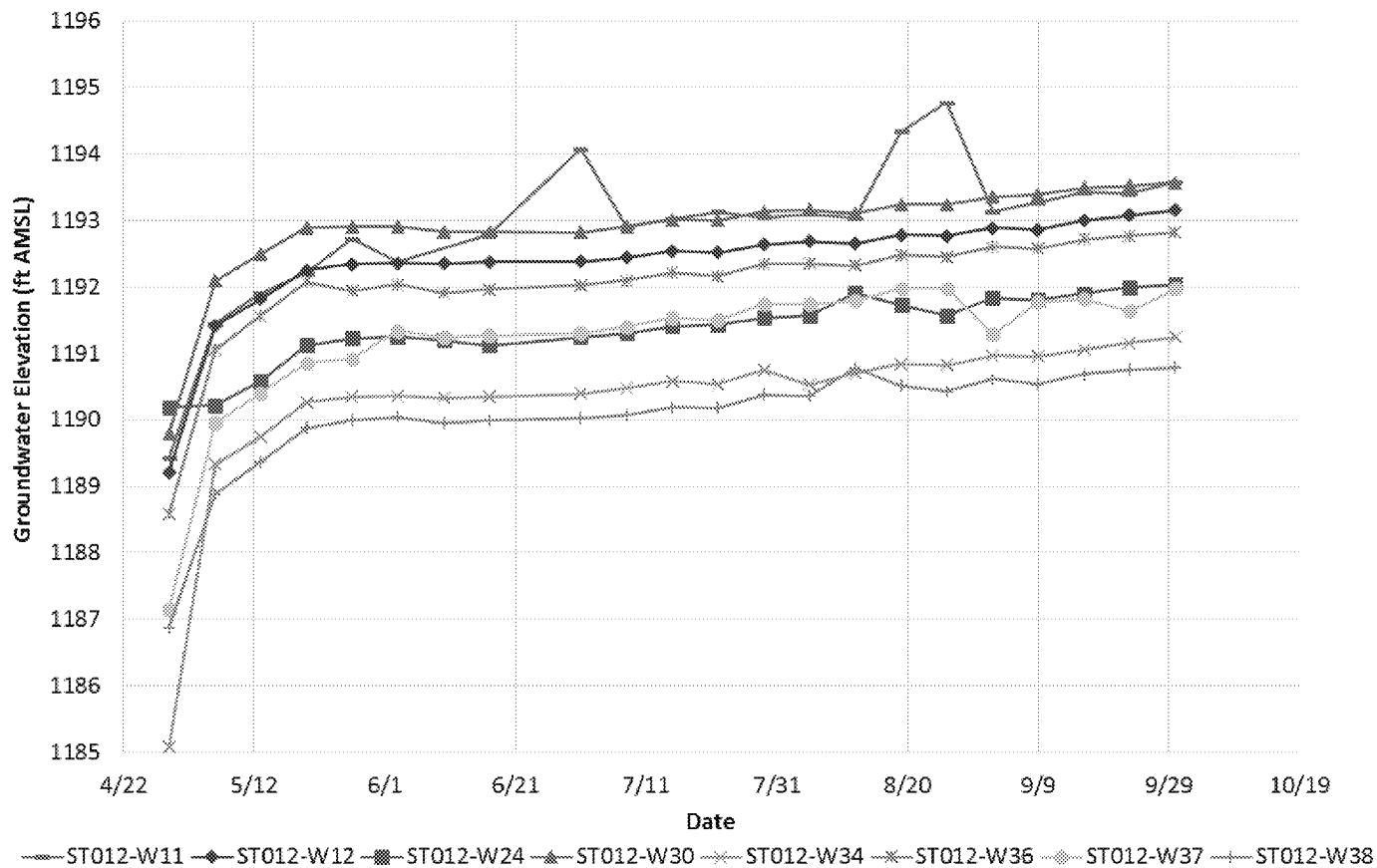
IV. GROUNDWATER ELEVATION MONITORING

Groundwater elevations monitored since the shutdown of the final extraction phase of SEE (29 April 2016). Starting with the week ending 7 October 2016, groundwater elevation monitoring will be performed monthly at all perimeter monitoring locations, except ST012-W11 and ST012-W37, which will be monitored weekly based on continued LNAPL recovery. Monthly perimeter well monitoring will continue until the startup of the planned active containment extraction system, at which time the monitoring frequency will be as described in the ST012 Field Variance Memorandum 5, Extraction and Treatment System Construction. The next monitoring event will be completed during the week ending 11 November 2016.

CZ and UWBZ Groundwater Elevations



LSZ Groundwater Elevations



Note: Increased groundwater elevation in ST012-W11 on 19 August and 26 August 2016 are suspected to be influenced by LNAPL in the monitoring well caused by malfunctioning measuring equipment.

V. SUBSURFACE TEMPERATURE MONITORING

A. Perimeter Monitoring Well Temperatures

The next monitoring event will be completed during the week ending 11 November 2016.

VI. SEE TEMPERATURE MONITORING POINTS

This section will be updated periodically with new temperature monitoring point (TMP) data.

VII. LNAPL MONITORING

A. Perimeter LNAPL Thickness (ft)

Starting with the week ending 7 October 2016, groundwater elevation monitoring will be performed monthly at all perimeter monitoring locations, except ST012-W11 and ST012-W37, which will be monitored weekly based on continued LNAPL recovery. Monthly perimeter well monitoring will continue until the startup of the expected active containment extraction system.

Monitoring Well	9/23/2016			9/30/2016			10/7/2016			10/14/2016		
	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed	Before bailing/ pumping	Before bailing/ pumping	Weekly Gallons Removed	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed	Before bailing/ pumping	After Bailing/ pumping	Weekly Gallons Removed
CZ/UWBZ Wells												
ST012-C01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-C02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
UWBZ Wells												
ST012-U02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-U11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-U12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-U37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-U38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-RB-3A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
LSZ Wells												
ST012-W11	3.32	3.32	0.00	6.78	6.78	6.78	6.78	6.78	0.00	8.30	0.01	25.00
ST012-W12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-W24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-W30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-W34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-W36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---
ST012-W37	7.15	0.00	6.00	13.50	13.50	13.50	13.50	13.50	0.00	20.84	0.00	18.00
ST012-W38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	---	---

B. LNAPL Monitoring and Removal

The table included with this report as Attachment 1 summarizes the removal and monitoring performed at LNAPL screened wells. Wells installed as part of the work detailed in Field Variance Memo 04 will be included in the weekly report as they are completed and monitored.

VIII. WASTE GENERATION AND RECYCLING

No site-derived waste or recyclable material was removed this week.

IX. TWO WEEK LOOK AHEAD

A. SEE Demolition - None

B. EBR Construction

1. Initiation of system construction activities detailed in Active Containment Field Variance Memo

C. Well Drilling/Development

2. Initiation of well drilling activities detailed in Additional Characterization Field Variance Memo

D. Sampling/Monitoring Activities

3. Pumping and bailing to remove NAPL from SEE wells
4. Continued NAPL screening in SEE extraction and injection wells
5. Screening Phase I wells for temperature
6. Removal of eductors from existing SEE wells; enables wells to be monitored for LNAPL

E. SVE System Operation/Optimization

1. Continue operation of flame oxidizer and thermal oxidizer with SVE system.

X. ATTACHMENTS

1. LNAPL Monitoring and Removal Table
2. LNAPL Screening Figures based on table in Attachment 1.

Attachment 1. LNAPL Monitoring and Removal

The following table summarizes the removal and monitoring performed at LNAPL screened wells. LNAPL monitoring of wells was prioritized based on expected future usage of each well as part of EBR. Subsequent LNAPL monitoring/removal frequency was prioritized based on the amount of LNAPL, the observed LNAPL recharge, and the temperature of each well. LNAPL monitoring and removal was initially conducted weekly at wells with LNAPL and the frequency has been reduced in some locations depending on whether LNAPL returns after pumping/bailing. Currently 19 SEE wells have eductors or pumps in them that have not been removed and cannot be effectively screened for LNAPL (CZ13, CZ15, CZ17, UWBZ01, UWBZ04, UWBZ05, UWBZ06, UWBZ30, LSZ01, LSZ02, LSZ04, LSZ05, LSZ06, LSZ08, LSZ13, LSZ16, LSZ30, LSZ33, LSZ40). Eductor removal from these wells is planned as stated in the comments and responses to Field Variance Memo 05. Any additional wells that are monitored in future weeks will be included on this table:

Well	Date	Able to Use Interface Probe?	NAPL Present (Y/N)	Before Pumping			Bailed/Pumped (Y/N)	NAPL Remaining (Y/N)	After Pumping			LNAPL Removed (Gallons)
				Depth to Product (ft. bgs)	Depth to Water (ft. bgs)	NAPL Thickness (ft.)			Depth to Product (ft. bgs)	Depth to Water (ft. bgs)	NAPL Thickness (ft.)	
CZ01	7/19/2016	N	Y	NM	146 ⁽²⁾	0.3 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	144 ⁽²⁾	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Y	NM	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	N	---	144 ⁽²⁾	---	N	N	---	---	---	0
CZ02	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
CZ03	7/11/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
CZ04	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
CZ05	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
CZ06	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/13/2016	N	Y	NM	142 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
CZ07	7/25/2016	N	Y	144 ⁽²⁾	144 ⁽²⁾	0.50 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	144 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/13/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
CZ08	7/25/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM ⁽²⁾	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM ⁽²⁾	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	6/22/2016	N	Y	NR	NR	0.13 ⁽¹⁾	N	Y	---	---	---	0
CZ09	7/18/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	---	146 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0

CZ10	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	146 ⁽²⁾	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	5/23/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
CZ11	7/7/2016	N	Sheen	---	NM	---	N	Sheen	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ12	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	149 ⁽²⁾	NM	NM	Y	N	NR	NR	NR	1
	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	N	NM	156 ⁽²⁾	NM	N	N	---	---	---	0
	7/13/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7	N	Y	---	---	---	0
	7/19/2016	N	Sheen	---	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/17/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	---	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
CZ14	5/22/2016	N	N	---	---	---	N	N	---	---	---	0
	5/26/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	NR	3
	6/22/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	Sheen	NM	152 ⁽²⁾	NM	N	Sheen	---	---	---	0
	7/7/2016	N	Sheen	---	NM	---	N	Sheen	---	---	---	0
	7/11/2016	N	Sheen	142 ⁽²⁾	142 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	NM	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
CZ16	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/7/2016	N	Y	151 ⁽²⁾	NM	NM	Y	N	151	NR	NR	1
	6/22/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	N	---	141 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/31/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
CZ18	6/15/2016	N	N	NM	149 ⁽²⁾	NM	N	N	---	---	---	0
	6/22/2016	N	Y	NM	NM	0.13 ⁽¹⁾	N	Y	---	---	---	0
	6/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Y	---	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	Y	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ19	5/31/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/22/2016	N	N	---	NM ⁽²⁾	---	N	N	---	---	---	0
	6/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/28/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/15/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	---	---	---	---	---	---	---	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0

CZ20	7/28/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
CZ21*	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
CZ22/ UWBZ35*	7/20/2015	N	N	---	---	---	N	N	---	---	---	0
	9/2/2016 ⁽⁵⁾	Y	N	---	143.64	---	N	N	---	---	---	0
	9/2/2016 ⁽⁶⁾	Y	N	---	143.58	---	N	N	---	---	---	0
	10/7/2016 ⁽⁵⁾	Y	N	---	143.06	---	N	N	---	---	---	0
	10/7/2016 ⁽⁶⁾	Y	N	---	143.06	---	N	N	---	---	---	0
UWBZ02	7/12/2016	N	Y	142 ⁽²⁾	169 ⁽²⁾	27 ⁽¹⁾	Y	N	NR	NR	0	25
	7/27/2016	N	Y	NM	149 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/26/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
UWBZ03	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
UWBZ07	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
UWBZ09	7/19/2016	N	Y	---	144 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	---	145 ⁽²⁾	0.33 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	---	145 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	---	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	Y	---	150 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	---	150 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	---	151 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	---	147 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
UWBZ10	6/3/2016	N	Y	143 ⁽³⁾	NM	NM	Y	N	NR	NR	NR	13
	6/23/2016	N	N	---	---	---	N	N	---	---	---	0
	6/29/2016	N	Y	151 ⁽²⁾	151 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	142 ⁽²⁾	152 ⁽²⁾	10 ⁽¹⁾	N	Y	---	---	---	0
	7/13/2016	N	Y	NR	NR	NR	Y	N	NR	NR	0	18
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
UWBZ11	7/18/2016	N	Y	142 ⁽²⁾	158 ⁽²⁾	16 ⁽¹⁾	N	Y	---	---	---	0
	7/29/2016	N	Y	144 ⁽²⁾	151 ⁽²⁾	7 ⁽¹⁾	Y	N	NR	148	0	20
	8/3/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/18/2016	N	Y	146 ⁽²⁾	147 ⁽²⁾	1 ⁽¹⁾	Y	Y	147 ⁽²⁾	147 ⁽²⁾	0.01 ⁽¹⁾	10
	8/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/19/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	146 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/29/2016	N	Sheen	NM	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0

UWBZ12	9/14/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
UWBZ13	7/7/2016	N	Y	NM	NM	<0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	140 ⁽²⁾	165 ⁽²⁾	25 ⁽¹⁾	N	Y	---	---	---	0
	7/13/2016	N	Y	NR	NR	NR	Y	N	NR	NR	0	40
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/15/2016	N	Y	---	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	---	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	---	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
UWBZ14	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	144 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/17/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
UWBZ15	7/12/2016	N	Y	140 ⁽²⁾	170 ⁽²⁾	30 ⁽¹⁾	N	Y	---	---	---	0
	7/18/2016	N	Y	140 ⁽²⁾	150 ⁽²⁾	10 ⁽¹⁾	Y	N	NR	147 ⁽²⁾	0	55
	7/27/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.6 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	N	Y	---	---	---	0
	9/9/2016	N	Y	147 ⁽²⁾	152 ⁽²⁾	5 ⁽¹⁾	Y	Y	---	145 ⁽²⁾	0.4 ⁽²⁾	25
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0
UWBZ16	9/20/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	N	148 ⁽²⁾	152 ⁽²⁾	4 ⁽¹⁾	N	Y	---	---	---	0
UWBZ17	7/11/2016	N	Y	NM	143 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
UWBZ18	7/25/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	143 ⁽²⁾	150 ⁽²⁾	7 ⁽¹⁾	Y	N	NR	142 ⁽²⁾	0 ⁽¹⁾	36
	8/10/2016	N	Sheen	150 ⁽²⁾	150 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/6/2016	N	Y	145 ⁽²⁾	149 ⁽²⁾	4 ⁽¹⁾	N	Y	---	---	---	0
	9/9/2016	N	Y	145 ⁽²⁾	149 ⁽²⁾	4 ⁽¹⁾	Y	N	---	145 ⁽²⁾	0.6 ⁽¹⁾	15
	9/14/2016	N	Y	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/20/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
UWBZ17	10/4/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	147 ⁽²⁾	0.83 ⁽¹⁾	N	Y	---	---	---	0
UWBZ18	6/22/2016	N	Y	NM	NM	3 ⁽¹⁾	N	Y	---	---	---	0
	6/30/2016	N	Y	147 ⁽²⁾	NM	NM	Y	N	NR	NR	0	20
	7/19/2016	N	Y	NM	145 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.7 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	145 ⁽²⁾	147 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	146 ⁽²⁾	148 ⁽²⁾	2 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	NM	145 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	146 ⁽²⁾	147 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	146 ⁽²⁾	147.5 ⁽²⁾	1.5 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	147 ⁽²⁾	148.6 ⁽²⁾	1.6 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N										

	6/22/2016	N	Y	NM	NM	3 ⁽¹⁾	N	Y	---	---	---	---	0
	7/11/2016	N	Y	138 ⁽²⁾	164 ⁽²⁾	26 ⁽¹⁾	N	Y	---	---	---	---	0
	7/12/2016	N	Y	142 ⁽²⁾	162 ⁽²⁾	20 ⁽¹⁾	Y	N	---	144 ⁽²⁾	0	28	
	7/25/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	---	0
	8/3/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	---	0
	8/10/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	---	0
	8/16/2016	N	Y	147 ⁽²⁾	148 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	---	0
	8/26/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	---	0
	8/30/2016	N	Y	NM	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	---	0
	9/14/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	---	0
UWBZ19	10/14/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	---	0
UWBZ21	5/26/2016	N	Y	NM	NM	N	Y	---	---	---	---	0	
	6/14/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	24	
	6/23/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0	
	6/29/2016	N	Y	155 ⁽²⁾	157.5 ⁽²⁾	2.5 ⁽¹⁾	N	Y	---	---	---	0	
	7/7/2016	N	Y	NM	NM	0.08 ⁽¹⁾	N	Y	---	---	---	0	
	7/29/2016	N	Y	146 ⁽²⁾	152 ⁽²⁾	6 ⁽¹⁾	Y	N	NR	148 ⁽²⁾	0.1 ⁽¹⁾	20	
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0	
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0	
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0	
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0	
	8/30/2016	N	Y	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0	
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0	
	10/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0	
UWBZ22	5/19/2016	N	Y	NM	NM	N	Y	---	---	---	---	0	
	6/8/2016	N	Y	149 ⁽²⁾	NM	NM	Y	N	NR	NR	0	1	
	6/29/2016	N	Y	147.5 ⁽²⁾	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0	
	7/7/2016	N	Y	NM	NM	0.02 ⁽¹⁾	N	Y	---	---	---	0	
	7/12/2016	N	Y	NM	146 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0	
	7/28/2016	N	Y	NM	150 ⁽²⁾	0.4 ⁽¹⁾	N	Y	---	---	---	0	
	8/3/2016	N	Y	NM	150 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0	
	8/10/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0	
	8/15/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0	
	8/23/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0	
	8/29/2016	N	Y	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0	
	9/29/2016	N	Y	NM	148 ⁽²⁾	0.25 ⁽¹⁾	N	Y	---	---	---	0	
UWBZ23	5/18/2016	N	Y	NM	NM	N	Y	---	---	---	---	0	
	6/9/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	35	
	6/29/2016	N	Y	153 ⁽²⁾	154.5 ⁽²⁾	1.5 ⁽¹⁾	N	Y	---	---	---	0	
	7/11/2016	N	Y	142 ⁽²⁾	148 ⁽²⁾	6 ⁽¹⁾	N	Y	---	---	---	0	
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.8 ⁽¹⁾	N	Y	---	---	---	0	
	8/2/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0	
	8/10/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0	
	8/16/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0	
	8/22/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	Y	N	---	148 ⁽²⁾	0	15	
	8/26/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0	
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0	
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0	
	10/14/2016	N	Y	---	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0	
UWBZ24	7/20/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	8/12/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	8/25/2016	N	Y	---	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0	
UWBZ25	7/19/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0	
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0	
UWBZ26	6/29/2016	N	Y	141.5 ⁽²⁾	170 ⁽²⁾	28.5 ⁽¹⁾	N	Y	---	---	---	0	
	7/5/2016	Y	Y	140.4	167.1	26.61	Y	Y	142.2	162.9	20.7	10	
	7/6/2016	Y	Y	142	163	20.99	Y	Y	147.3	147.8	0.45	40	
	7/12/2016	N	Y	NM	142 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0	
	7/28/2016	N	Y	147 ⁽²⁾	148 ⁽²⁾	1 ⁽¹⁾	N	Y	---	---	---	0	
	8/3/2016	N	Y	147 ⁽²⁾	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0	
	8/12/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0	
	8/16/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0	
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0	
	8/30/2016	N	Y	---	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0	
	9/29/2016	N	Y	---	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0	
UWBZ27	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0	
	6/8/2016	N	Y	14									

	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
UWBZ27	9/29/2016	N	Sheen	---	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
UWBZ28/ LSZ51*	7/20/2016	N	N	NM	NM	---	N	N	---	---	---	0
	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
UWBZ29	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/20/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
UWBZ31	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	10/3/2016	N	Y	---	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	7/20/2016	N	N	NM	NM	---	N	N	---	---	---	0
UWBZ32/ LSZ47*	8/23/2016 ⁽⁶⁾	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	10/7/2016 ⁽⁶⁾	Y	N	---	145.4 ⁽²⁾	---	N	N	---	---	---	0
UWBZ33/ LSZ48*	7/12/2016 ⁽⁵⁾	Y	Y	144.9	146.55	1.65	Y	Y	145.2	145.4	0.13	2
	7/25/2016 ⁽⁵⁾	N	Sheen	NM	NM	Sheen	Y	Sheen	---	---	---	0
	7/20/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	144.49	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	144.55	---	N	N	---	---	---	0
	8/19/2016	Y	N	---	144.42	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	144.38	---	N	N	---	---	---	0
UWBZ34	10/7/2016	Y	N	---	144.26	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	144.31	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	144.07	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	144.21	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	144.02	---	N	N	---	---	---	0
UWBZ36	10/7/2016	Y	N	---	143.85	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ03	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ07	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/26/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	<0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Sheen	144 ⁽²⁾	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Y	NM	149 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
LSZ09	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ10	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	5/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/1/2016	N	Y	NM	NM	Y	N	NR	NR	0	10 ⁽⁴⁾	
	6/29/2016	N	N	---	147	---	N	N	---	---	---	0
	7/7/2016	N	Y	NM	NM	<0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/28/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ11	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/14/2016	N	Y	NM	NM	Y	N	NR	NR	0	50	
	6/24/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/29/2016	N	Y	148 ⁽²⁾	158 ⁽²⁾	10 ⁽¹⁾	Y	Y	NR	NR	<0.08	25
	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	Y	---	148 ⁽²⁾	0.2	N	Y	---	---	---	0

LSZ12	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	150 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	5/18/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/13/2016	N	Y	144 ⁽²⁾	NM	NM	Y	N	NR	NR	0	26
	6/29/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
LSZ14	7/7/2016	N	Y	146 ⁽²⁾	165 ⁽²⁾	21 ⁽¹⁾	N	Y	148 ⁽²⁾	NR	NR	35
	7/25/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	149 ⁽²⁾	0.58 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	NM	150 ⁽²⁾	0.33 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	149 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	NM	148 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
LSZ15	9/26/2016	N	Y	NM	148 ⁽²⁾	0.7 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	NM	149 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	135 ⁽²⁾	NM	>35 ⁽¹⁾	N	Y	---	---	---	0
	7/14/2016	N	Y	144 ⁽²⁾	159 ⁽²⁾	15 ⁽¹⁾	Y	N	NR	147 ⁽²⁾	Sheen	100
	7/25/2016	N	Y	NM	147 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	147 ⁽²⁾	147 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
LSZ17	8/30/2016	N	Sheen	147 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	5/24/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/2/2016	N	Y	130 ⁽²⁾	NM	NM	Y	N	NR	NR	0	50 ⁽⁴⁾
	6/23/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/29/2016	N	Y	150 ⁽²⁾	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/12/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/27/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
LSZ18	8/10/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	10/14/2016	N	Y	NM	148 ⁽²⁾	0.13 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ19	7/7/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	9/14/2016	N	N	---	147 ⁽²⁾	0.04 ⁽¹⁾	N	N	---	---	---	0
	10/14/2016	N	Y	NM	149 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Sheen	---	NM	---	N	Y	---	---	---	0
	7/11/2016	N	Sheen	142 ⁽²⁾	142 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ20	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	9/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	7/19/2016	N	Sheen	NM	144 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	NM	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/3/2016	N	Sheen	NM	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0

	8/23/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Sheen	NM	146 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ21	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ22	7/25/2016	N	Sheen	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/3/2016	N	Sheen	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/12/2016	N	Sheen	NM	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ23	5/26/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/20/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	6/29/2016	N	N	---	152 ⁽²⁾	---	N	N	---	---	---	0
	7/7/2016	N	N	---	NM	---	N	N	---	---	---	0
	7/12/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ24	7/12/2016	N	N	---	142 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/25/2016	N	N	NM	147 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ25	7/11/2016	N	Sheen	143 ⁽²⁾	143 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/25/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
LSZ26	5/16/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	6/29/2016	N	N	---	153 ⁽²⁾	---	N	N	---	---	---	0
	7/11/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ27	7/7/2016	N	N	---	---	---	N	N	---	---	---	0
	7/12/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	7/27/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/3/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ28	5/24/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/3/2016	N	Y	146	NM	NM	Y	N	NR	NR	0	5
	6/23/2016	N	N	---	NM	---	N	N	---	---	---	0
	6/29/2016	N	N	---	151 ⁽²⁾	---	N	N	---	---	---	0
	7/12/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	7/27/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ29	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	5/18/2016	N	Y	NM	NM	N	Y	---	---	---	---	0
	6/6/2016	N	Y	142 ⁽²⁾	NM	NM	Y	Y	NR	NR	NR	3
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.01 ⁽¹⁾	N	Y	NR	NR	<0.01	0
	7/20/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/23/2016	N	Y	NM	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Sheen	149 ⁽²⁾	149 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
LSZ31	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	6/6/2016	N	Y	151 ⁽²⁾	NM	NM	Y	N	NR	NR	0	20
	7/25/2016	N	Y	NM	145 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Sheen	145 ⁽²⁾	145 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/23/2016	N	Y	NM	146 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
LSZ31	9/29/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	144.8 ⁽²⁾	145 ⁽²⁾	1.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM ⁽²⁾	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/12/2016	N	Y	NM ⁽²⁾	147 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0

	8/23/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	146 ⁽²⁾	0.1 ⁽¹⁾	N	Y	---	---	---	0
LSZ32	9/29/2016	N	Y	NM	147 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
LSZ34	5/17/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/14/2016	N	Y	148 ⁽²⁾	NM	NM	Y	N	NR	NR	0	38
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	<0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/10/2016	N	Sheen	148 ⁽²⁾	148 ⁽²⁾	Sheen	N	Sheen	---	---	---	0
	8/15/2016	N	Y	NM ⁽²⁾	149 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM ⁽²⁾	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
LSZ34	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ35	6/29/2016	N	Y	147 ⁽²⁾	NM	NM	Y	N	NR	NR	0	65
	7/12/2016	N	Y	140 ⁽²⁾	168 ⁽²⁾	28 ⁽¹⁾	N	Y	---	---	---	0
	7/18/2016	N	Y	143 ⁽²⁾	149 ⁽²⁾	6 ⁽¹⁾	Y	N	NR	146 ⁽²⁾	Sheen	35
	7/25/2016	N	Y	NM	149 ⁽²⁾	0.2 ⁽¹⁾	N	Y	---	---	---	0
	8/3/2016	N	Y	NM	150 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	149 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	8/16/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	8/22/2016	N	Y	146 ⁽²⁾	149 ⁽²⁾	3 ⁽¹⁾	Y	N	---	149 ⁽²⁾	0	10
	8/23/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	149 ⁽²⁾	0.06 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ35	10/14/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ36	5/19/2016	N	Y	NM	NM	NM	N	Y	---	---	---	0
	6/10/2016	N	Y	144 ⁽²⁾	NM	NM	Y	N	NR	NR	0	86
	6/29/2016	N	Y	152 ⁽²⁾	152 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	7/7/2016	N	Y	NM	NM	0.06 ⁽¹⁾	N	Y	---	---	---	0
	7/11/2016	N	Y	NM	145 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	8/2/2016	N	Y	NM	145 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	145 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	146 ⁽²⁾	0.01 ⁽¹⁾	N	Y	---	---	---	0
	8/26/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.17 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
LSZ36	10/14/2016	N	N	148 ⁽²⁾	151 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
LSZ37	10/16/2016	N	N	148 ⁽²⁾	151 ⁽²⁾	3 ⁽¹⁾	N	Y	---	---	---	0
	5/23/2016	Y	Y	138.40	185.80	47.40	N	Y	---	---	---	0
	5/24/2016	Y	Y	NR	NR	Y	Y	145.1	161.7	16.56	60	
	5/25/2016	Y	Y	NR	NR	Y	Y	148.6	149.6	1.05	25	
	5/25/2016	Y	Y	148.45	149.51	1.06	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.46	149.5	1.04	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.42	149.54	1.12	N	Y	---	---	---	0
	5/27/2016	Y	Y	148.31	149.5	1.19	N	Y	---	---	---	0
	5/31/2016	Y	Y	148.31	149.49	1.18	N	N	---	---	---	0
	6/2/2016	Y	Y	NR	NR	Y	Y	149.12	150.11	0.99	17	
	6/3/2016	Y	Y	148.66	148.7	0.04	N	Y	---	---	---	0
LSZ38	7/1/2016	Y	N	---	148.58	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	148.45	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.29	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.45	---	N	N	---	---	---	0
	9/2/2016	Y	Y	148.11	148.16	0.05	N	Y	---	---	---	0
	10/7/2016	Y	Y	147.86	147.92	0.06	N	Y	---	---	---	0
	5/23/2016	Y	Y	145.33	156.19	10.86	N	Y	---	---	---	0
	5/24/2016	Y	Y	NR	NR	Y	Y	148.5	149.58	1.08	15	
	5/25/2016	Y	Y	148.55	149.7	1.15	N	Y	---	---	---	0
	5/25/2016	Y	Y	148.47	149.66	1.19	N	Y	---	---	---	0
LSZ39	5/26/2016	Y	Y	148.51	149.76	1.25	N	Y	---	---	---	0
	5/26/2016	Y	Y	148.42	149.61	1.19	N	Y	---	---	---	0
	5/27/2016	Y	Y	148.34	149.58	1.24	N	Y	---	---	---	0
	5/31/2016	Y	Y	148.33	149.61	1.28	N	Y	---	---	---	0
	6/3/2016	Y	Y	148.41	149.62	1.21	N	Y	---	---	---	0
	7/1/2016	Y	N	---	148.33	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	148.22	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.02	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.65	---	N	N	---	---	---	0
	9/2/2016	Y	Y	147.87	149.07	1.20	N	Y	---	---	---	0
	10/7/2016	Y	Y	147.62	148.81	1.19	N	Y	---	---	---	0

	7/29/2016	Y	N	---	148.81	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.83	---	N	N	---	---	---	0
	9/2/2016	Y	Y	148.71	148.83	0.07	N	N	---	---	---	0
	10/7/2016	Y	N	---	148.50	---	N	N	---	---	---	0
LSZ41	7/20/2016	N	N	---	147 ⁽²⁾	---	N	N	---	---	---	0
	7/28/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	150 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	148 ⁽²⁾	---	N	N	---	---	---	0
	9/29/2016	N	N	---	149 ⁽²⁾	---	N	N	---	---	---	0
LSZ42	7/19/2016	N	Y	143 ⁽²⁾	151 ⁽²⁾	8 ⁽¹⁾	N	Y	---	---	---	0
	7/29/2016	N	Y	143 ⁽²⁾	149 ⁽²⁾	6 ⁽¹⁾	Y	Y	NR	148 ⁽²⁾	0.5 ⁽¹⁾	36
	8/3/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/10/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	8/15/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	8/23/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	8/30/2016	N	Y	NM	148 ⁽²⁾	0.02 ⁽¹⁾	N	Y	---	---	---	0
	9/6/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
	9/14/2016	N	Y	NM	147 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	9/20/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	9/26/2016	N	Y	NM	147 ⁽²⁾	0.5 ⁽¹⁾	N	Y	---	---	---	0
	10/4/2016	N	Y	NM	148 ⁽²⁾	0.08 ⁽¹⁾	N	Y	---	---	---	0
LSZ43*	10/14/2016	N	Y	NM	148 ⁽²⁾	0.04 ⁽¹⁾	N	Y	---	---	---	0
	7/20/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/25/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/2/2016	N	N	---	145 ⁽²⁾	---	N	N	---	---	---	0
	8/16/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	8/30/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
LSZ44*	9/29/2016	N	N	---	146 ⁽²⁾	---	N	N	---	---	---	0
	7/8/2016	Y	N	---	144.70	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	150.33	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	150.12	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	150.15	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	150.14	---	N	N	---	---	---	0
LSZ45*	10/7/2016	Y	N	---	149.70	---	N	N	---	---	---	0
	6/27/2016	Y	N	---	151.61	---	N	N	---	---	---	0
	7/8/2016	Y	N	---	148.94	---	N	N	---	---	---	0
	7/11/2016	Y	N	---	145.00	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	148.89	---	N	N	---	---	---	0
	7/22/2016	Y	N	---	148.65	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.73	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	148.46	---	N	N	---	---	---	0
LSZ46*	10/7/2016	Y	N	---	148.27	---	N	N	---	---	---	0
	6/27/2016	Y	N	---	148.05	---	N	N	---	---	---	0
	7/8/2016	Y	N	---	147.95	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	147.87	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	147.71	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	147.73	---	N	N	---	---	---	0
	9/2/2016	Y	Y	147.47	147.48	0.01	N	Y	---	---	---	0
LSZ49*	10/7/2016	Y	N	---	147.27	---	N	N	---	---	---	0
	6/14/2016	Y	N	---	145.67	---	N	N	---	---	---	0
	7/8/2016	Y	N	---	145.93	---	N	N	---	---	---	0
	7/15/2016	Y	N	---	145.85	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	145.74	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	145.69	---	N	N	---	---	---	0
	9/2/2016	Y	Y	145.50	145.51	0.01	N	Y	---	---	---	0
LSZ50*	9/30/2016	Y	N	---	145.37	---	N	N	---	---	---	0
	6/14/2016	Y	N	---	145.26	---	N	N	---	---	---	0
	7/8/2016	Y	N	---	144.70	---	N	N	---	---	---	0
	7/15/2016	Y	N	144.60	146.82	2.22	N	Y	---	---	---	0
	7/29/2016	Y	N	144.48	146.69	2.21	N	Y	---	---	---	0
	8/5/2016	Y	N	---	144.42	---	N	N	---	---	---	0
	8/12/2016	Y	Y	144.42	146.62	2.20	N	Y	---	---	---	0
	8/19/2016	Y	Y	144.46	146.56	2.10	N	Y	---	---	---	0
	8/26/2016	Y	N	---	144.36	---	N	N	---	---	---	0
	9/2/2016	Y	Y	144.20	146.44	2.24	Y	N	---	147.00	0.00	5
	9/9/2016	Y	Y	144.78	144.81	0.03	N	Y	---	---	---	0
	9/23/2016	Y	Y	144.60	144.68	0.08	N	Y	---	---	---	0
LSZ52*	9/30/2016	Y	N	---	144.55	---	N	N	---	---	---	0
	10/7/2016	Y	Y	144.57	144.62	0.05	N	N	---	---	---	0
	7/8/2016	Y	N	---	149.00	---	N	N	---	---	---	0
LSZ41	7/15/2016	Y	N	---	148.89	---	N	N	---	---	---	0
	7/29/2016	Y	N	---	148.71	---	N	N	---	---	---	0
	8/5/2016	Y	N	---	148.74	---	N	N	---	---	---	0
	9/2/2016	Y	N	---	148.50	---	N	N	---	---	---	0
	10/7/2016	Y	N	---	148.26	---	N	N	---	---	---	0

NM = Not measured due to temperature interference.

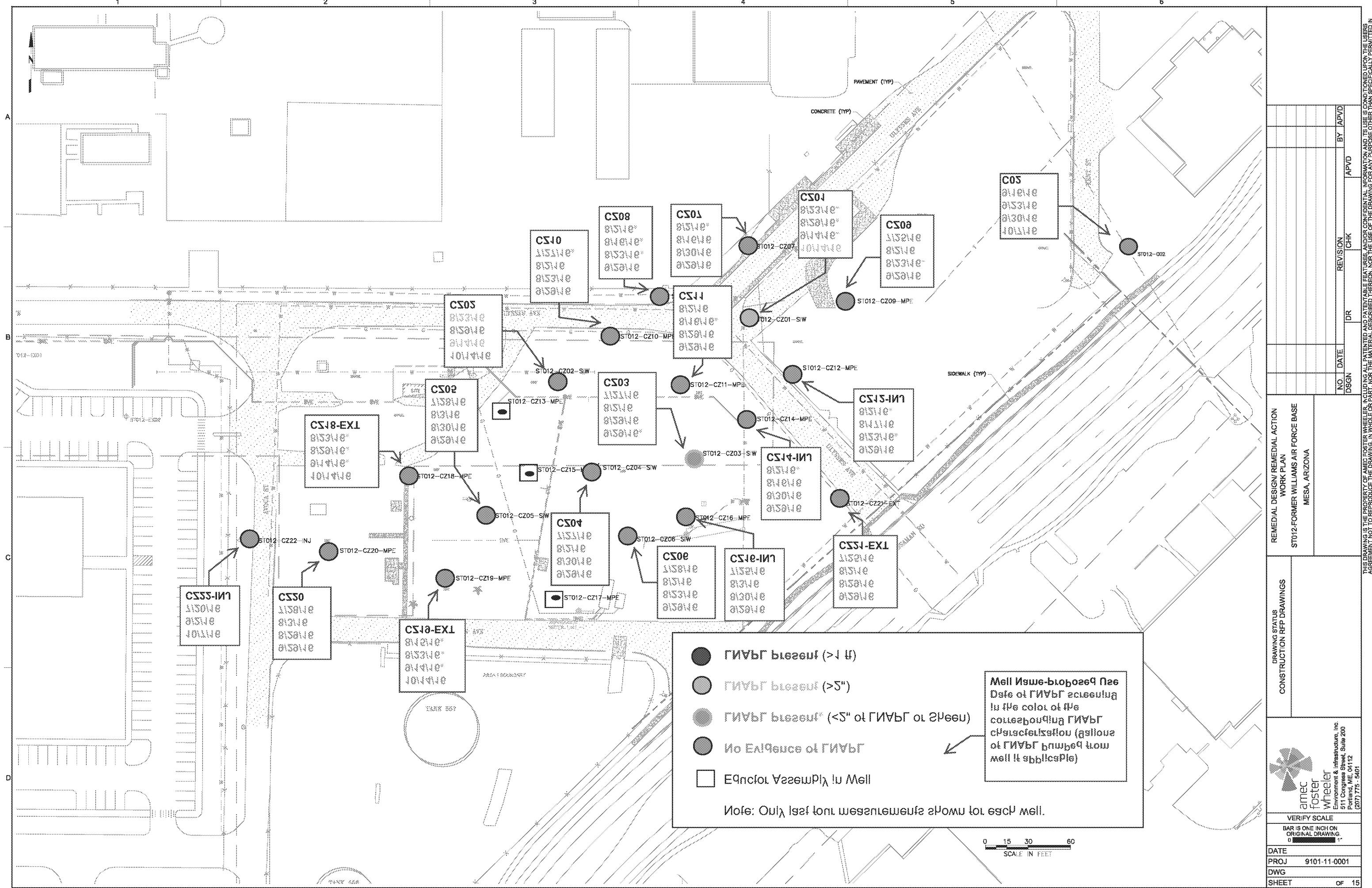
NR = Not recorded.

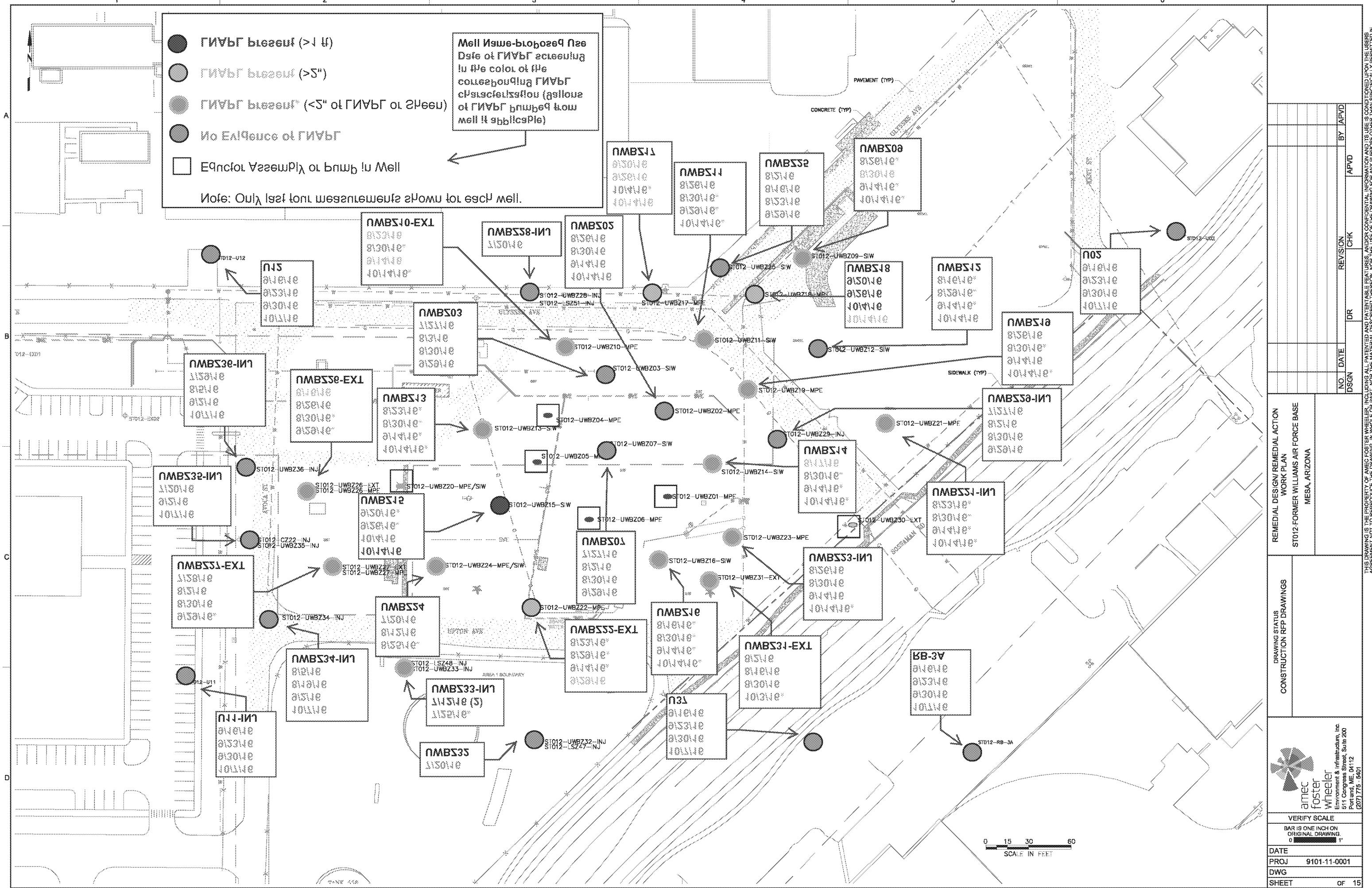
--- = No NAPL present. Measurement not performed.

* = Newly installed well.

Notes:

- (1) LNAPL estimated using PTFE bailer, not interface probe.
- (2) Depth measured using a bailer.
- (3) Depth measured using a tagline.
- (4) LNAPL recovered included water.
- (5) Dual screened well location monitored for LNAPL in the upper interval only.
- (6) Dual screened well location monitored for LNAPL in the lower interval only.





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